

Amendments to Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1. **(Currently amended)** Apparatus for electrical testing of an electrical circuit having first and second side surfaces and including a plurality of conductors, the apparatus comprising:

at least one stimulation electrode disposed adjacent at least one of said first and second side surfaces of said electrical circuit and being operative to apply thereto a stimulation electromagnetic field in a non-contact manner;

at least one sensing electrode disposed adjacent at least one of said first and second side surfaces of said electrical circuit and being operative to sense a resulting electromagnetic field produced by application of said stimulation electromagnetic field at various locations thereon in a non-contact manner;

a ground interconnect grounding an intermediate layer of said electrical circuit;

wherein at least one of said at least one stimulation electrode and said at least one sensing electrode includes at least two electrodes ~~at least one of which is disposed adjacent each of said first and second side surfaces of said electrical circuit.~~

Claims 2-82 (**canceled**).